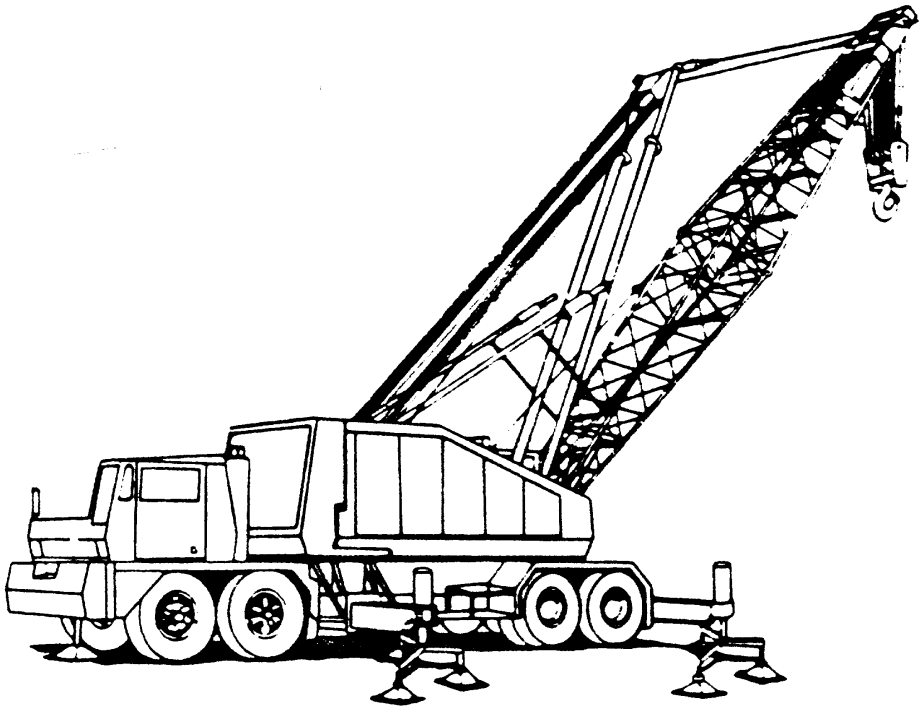
CRANE, 140 TON



SYSTEM IDENTIFIERS	
NOMENCLATURE:	Crane, Truck-Mounted, 140 Ton, Container Handling
SSN:	R3090100K00
LIN:	C38874
NSN:	3810-01-027-9254
AMIM NO:	A750
EIC:	DSA
FUEL TYPE:	DIESEL

SYSTEM DESCRIPTION
The crane is a truck mounted, 140-ton capacity vehicle. It is mounted on an 8 X 4 chassis and is diesel engine driven. It has a 50-foot lattice boom which is capable of being supplemented or adjusted with the use of various length boom extensions.

There are no separately authorized components identified with this weapon/materiel system.

CRANE, 140 TON

LIN	NSN	NOMENCLATURE

SYSTEM VARIANTS

MDS	LIN	NSN
CRANE, 140 TON	C38874	3950-01-110-9224

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

CRANE, 140 Ton
FY 94 TOTAL ARMY COST SUMMARY
(FY 94 Constant Dollars)

DENSITY

NUMBER OF SYSTEMS	11

DEPOT END ITEM MAINTENANCE (5.061)

TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/END ITEM	$0.00

CLASS III-POL (5.05)

NOT AVAILABLE

DEPOT SECONDARY ITEM MAINTENANCE

TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/SECONDARY ITEM	$0.00

CLASS V-AMMUNITION (2.11)

NOT APPLICABLE

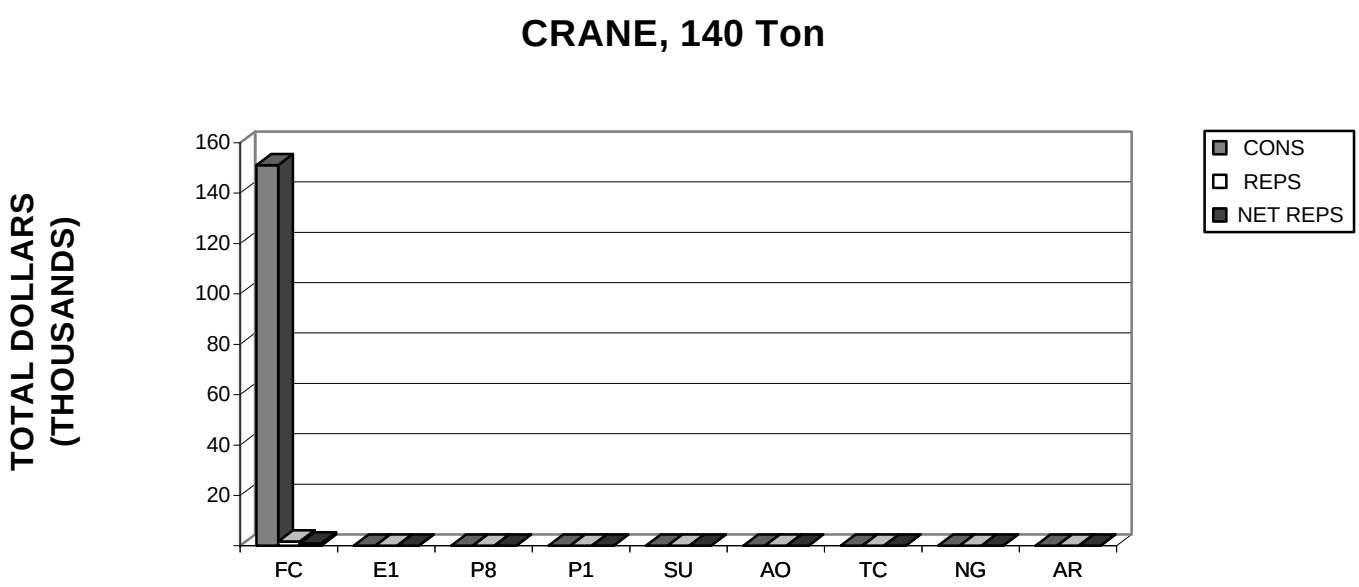
INTERMEDIATE MAINTENANCE

	DS/GS	CIVILIAN
MIL/CIV LABOR COST	$0	$0
AVG COST/SYSTEM	$0.00	$0.00
MAINTENANCE MANHOURS	0	0
MMHs/SYSTEM	0.00	0.00

CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 94 DOLLARS	AVG COST PER SYSTEM
CONSUMABLES	$151,111	$13,737.36
NET REPARABLES	$900	$81.82
NET TOTAL COSTS	$152,011	$13,819.18

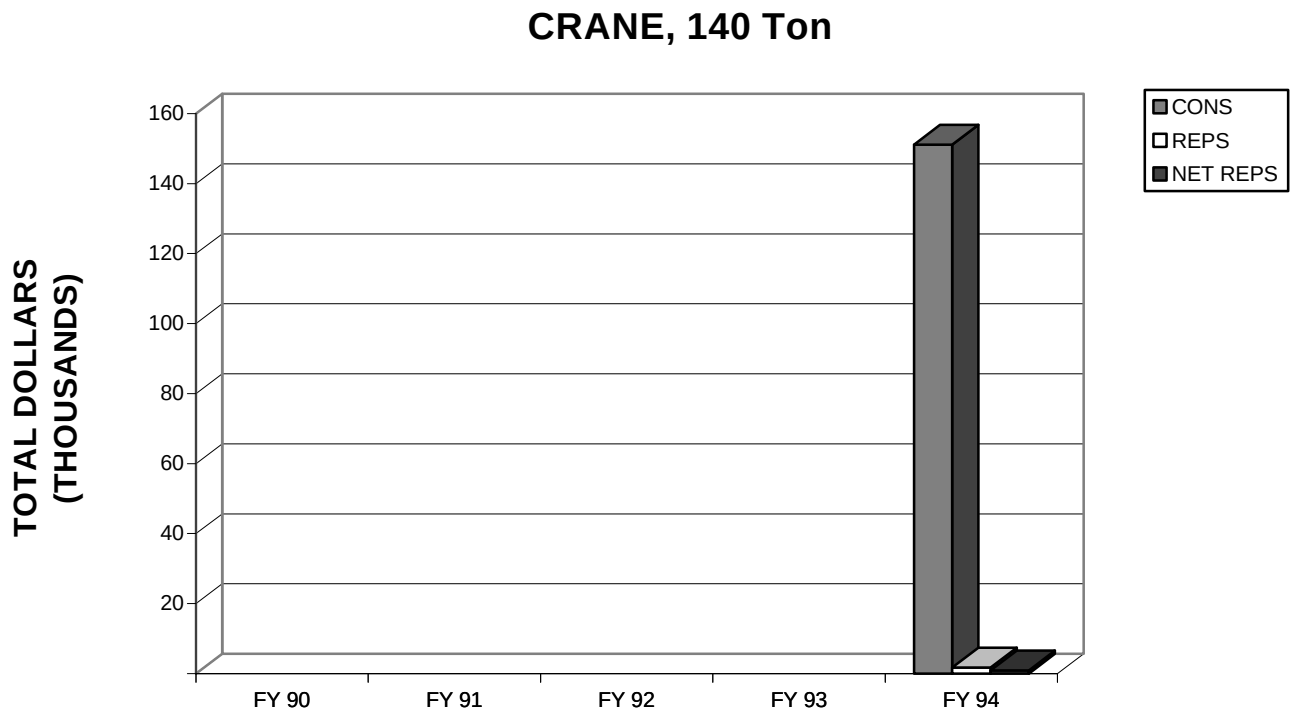
The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.



CRANE, 140 Ton
FY 94 MACOM CLASS IX COSTS

MACOM CODE	MACOM NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FC	FORSCOM	151,111	1,735	900	152,011	11	13,819
E1	USAREUR	0	0	0	0	0	0
P8	EUSA	0	0	0	0	0	0
P1	USARPAC	0	0	0	0	0	0
SU	USARSO	0	0	0	0	0	0
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	0	0	0	0	0	0
NG	ARNG	0	0	0	0	0	0
AR	USAR	0	0	0	0	0	0
TA	TOTAL ARMY	151,111	1,735	900	152,011	11	13,819

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that



CRANE, 140 Ton FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90						
FY 91						
FY 92						
FY 93						
FY 94	151,111	1,735	900	152,011	11	13,819

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

CRANE, 140 Ton
FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	HULL/FRAME	14,140	0	0	14,140	11	1,285
02	SUSPENSION/STEER	174	0	0	174	11	16
03	POWER PACKAGE	8,129	1,735	900	9,029	11	821
04	AUX AUTOMOTIVE	3,809	0	0	3,809	11	346
05	TURRET ASSEMBLY	0	0	0	0	0	0
06	FIRE CONTROL	0	0	0	0	0	0
07	ARMAMENT	0	0	0	0	0	0
08	BODY/CAB	0	0	0	0	0	0
09	AUTO LOADING	0	0	0	0	0	0
10	AUTO/REMOTE PILOT	0	0	0	0	0	0
11	NBC EQUIPMENT	0	0	0	0	0	0
12	SPECIAL EQUIPMENT	103,276	0	0	103,276	11	9,389
13	NAVIGATION	0	0	0	0	0	0
14	COMMUNICATIONS	0	0	0	0	0	0
15	VEH APP SOFTWARE	0	0	0	0	0	0
16	VEH SYS SOFTWARE	0	0	0	0	0	0
17	INT, ASSY, TEST, C/O	0	0	0	0	0	0
18	OTHER	21,583	0	0	21,583	11	1,962
	TOTAL	151,111	1,735	900	152,011	11	13,819

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

CRANE, 140 Ton
FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	FY 90 NET TOTAL COSTS	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS
01	HULL/FRAME					14,140
02	SUSPENSION/STEER					174
03	POWER PACK					9,029
04	AUX AUTOMOTIVE					3,809
05	TURRET ASSEMBLY					0
06	FIRE CONTROL					0
07	ARMAMENT					0
08	BODY/CAB					0
09	AUTO LOADING					0
10	AUTO/REMOTE PILOT					0
11	NBC EQUIPMENT					0
12	SPECIAL EQUIPMENT					103,276
13	NAVIGATION					0
14	COMMUNICATIONS					0
15	VEH APP SOFTWARE					0
16	VEH SYS SOFTWARE					0
17	INT, ASSY, TEST, C/O					0
18	OTHER					21,583
	TOTAL					152,011
	NUM OF SYSTEMS					11
	AVG PER SYSTEM					13,819

CRANE, 140 Ton
TOP 40 COST DRIVERS
CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	3815011899000	BOOM EXTENSION,MIDD	12E	H		J2100	9,976.39	4.00
2.	3815011916760	BOOM EXTENSION,MIDD	12E	H		J2100	12,456.44	3.00
3.	3815011899002	BOOM SECTION,OUTER,	12E	H		J2100	21,085.39	1.00
4.	4010010920319	ROPE,WIRE	18	Z		J2200	1,841.01	6.00
5.	3810011860915	OUTRIGGER,CRANE	12E	Z		J2200	3,147.35	1.00
6.	6140001909828	BATTERY, STORAGE	18	Z		Q2200	106.04	22.68
7.	5895012907807	PANEL,MONITOR	18	H		Q2200	2,202.00	1.00
8.	4010012067521	WIRE ROPE ASSEMBLY,	18	Z		J2200	1,010.45	2.00
9.	4010012664753	WIRE ROPE ASSEMBLY,	18	Z		J2200	962.39	2.00
10.	3810011630788	BEAM ASSEMBLY,CYLIN	12E	F		J2100	1,768.95	1.00
11.	4820011871228	VALVE,LOCKING	01A	O		J2100	1,536.02	1.00
12.	5315012343976	PIN,STRAIGHT,HEADLE	01A	Z		T2200	18.67	80.00
13.	3040012034138	LINK ROLLER SUPPORT	03K	Z		J2200	238.25	6.00
14.	2540004889358	CONTROL ASSEMBLY,DI	01H	Z		J2200	177.75	7.54
15.	5340012006348	COVER,ACCESS	01A	Z		T2200	291.14	4.00
16.	2910000757475	SPRAY TIP,NOZZLE,FU	03A	Z		J2200	22.16	40.26
17.	2930003541264	WATER OUTLET,ENGINE	03G	Z		J2200	148.28	6.00
18.	2815011418506	CYLINDER HEAD,DIESE	03A	H		J2100	784.84	1.00
19.	5315012299005	PIN,STRAIGHT,HEADED	01A	Z		T2200	149.97	5.00
20.	2590011801043	GUARD,MECHANICAL DR	01H	Z		J2200	84.69	8.00
21.	2590009333406	HORN BUTTON,VEHICLE	03Q	Z		J2200	35.44	17.39
22.	6150012934033	CABLE ASSEMBLY,SPEC	04A	Z		J2200	508.35	1.00
23.	6150012930536	CABLE ASSEMBLY,SPEC	04A	Z		J2200	488.04	1.00
24.	6150012939061	CABLE ASSEMBLY,SPEC	04A	Z		J2200	452.76	1.00
25.	4820012791428	SEAT,VALVE	01A	Z		J2200	44.86	10.00
26.	6140009840143	BATTERY,STORAGE	18	Z		Q2200	73.59	6.00
27.	2815011212952	CYLINDER HEAD,DIESE	03A	Z		J2200	789.48	0.56
28.	3130011869170	BEARING UNIT,BALL	01H	Z		T2200	35.18	12.00
29.	5925013163065	CIRCUIT BREAKER BOX	04A	Z		Q2200	36.67	11.00
30.	6150012942872	CABLE ASSEMBLY,SPEC	04A	Z		J2200	382.20	1.00
31.	3020002527352	CHAIN,ROLLER	03H	Z		J2200	26.29	14.00
32.	2590011248825	CONTROL ASSEMBLY,PU	01H	Z		J2200	182.45	2.00
33.	4820011630970	VALVE,FLOW CONTROL	01A	H		J2100	352.91	1.00
34.	4330010482686	FILTER ELEMENT,FLUI	18	Z		J2200	6.59	49.00
35.	5995012262218	WIRING HARNESS,BRAN	04A	Z		Q2200	322.23	1.00
36.	5995012309055	WIRING HARNESS,BRAN	04A	Z		Q2200	309.81	1.00
37.	5315012369355	PIN,STRAIGHT,HEADED	01A	Z		T2200	17.45	16.00
38.	2540004779630	BLADE,WINDSHIELD WI	01H	Z		J2200	5.07	54.26
39.	5340011873592	ROD,STRAIGHT,HEADLE	01A	Z		T2200	132.36	2.00
40.	4820012788763	DISK,VALVE	01A	Z		J2200	51.78	5.00

NUMBER OF SYSTEMS	11

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

CRANE, 140 Ton
CONSUMABLES (NON-DLRs)

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 90-94 FIVE YEAR AVERAGE QTY	FY 90-94 FIVE YEAR AVERAGE EXTENDED COST
39,906	3,627.82	36.3636		
37,369	3,397.18	27.2727		
21,085	1,916.82	9.0909		
11,046	1,004.18	54.5455		
3,147	286.09	9.0909		
2,405	218.64	206.1818		
2,202	200.18	9.0909		
2,021	183.73	18.1818		
1,925	175.00	18.1818		
1,769	160.82	9.0909		
1,536	139.64	9.0909		
1,494	135.82	727.2727		
1,430	130.00	54.5455		
1,340	121.82	68.5455		
1,165	105.91	36.3636		
892	81.09	366.0000		
890	80.91	54.5455		
785	71.36	9.0909		
750	68.18	45.4545		
678	61.64	72.7273		
616	56.00	158.0909		
508	46.18	9.0909		
488	44.36	9.0909		
453	41.18	9.0909		
449	40.82	90.9091		
442	40.18	54.5455		
442	40.18	5.0909		
422	38.36	109.0909		
403	36.64	100.0000		
382	34.73	9.0909		
368	33.45	127.2727		
365	33.18	18.1818		
353	32.09	9.0909		
323	29.36	445.4545		
322	29.27	9.0909		
310	28.18	9.0909		
279	25.36	145.4545		
275	25.00	493.2727		
265	24.09	18.1818		
259	23.55	45.4545		

141,559	93.7%	TOP 40
9,552	6.3%	OTHERS
151,111		

CRANE, 140 Ton
COST DRIVERS
CLASS IX REPARABLES (DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE W/O CREDIT	FY 94 AMDF UNIT PRICE W/CREDIT	FY 94 QTY
1.	2815010858282	CYLINDER HEAD,DIES	03A	H	R	K21NQ	1,213.00	629.55	1.43

NUMBER OF SYSTEMS	11

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

CRANE, 140 Ton
REPARABLES (DLRs)

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT) PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 90-94 FIVE YEAR AVERAGE QTY	FY 90-94 FIVE YEAR AVERAGE EXTENDED COST (W/CREDIT)
900	81.82	13.0000		

900	100.0%	COST DRIVERS
0	0.0%	OTHERS
900		

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

CRANE, 140 Ton
FY 94 DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	0	0	0	0	0	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	0	0	0	0	0	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	0	0	0	0	0	0	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0
QTY COMPLETED	0	0	0	0	0	0	0
AVG COST	0	0	0	0	0	0	0

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate ($16.61). CIVILIAN LABOR COSTS are a summation from the source data.

CRANE, 140 Ton
FY 94 INTERMEDIATE MAINTENANCE COSTS

MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	0	0	0	0	0.00
USAREUR	0	0			
EUSA	0	0			
USARPAC	0	0			
USARSO	0	0			
USASOC	0	0			
TRADOC	0	0	0	0	0.00
ARNG	0	0			
USAR	0	0			
TOTAL ARMY	0	0	0	0	0.00

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

CRANE, 140 Ton
FIVE YEAR DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					0					0
MILITARY LABOR					0					0
MATERIEL					0					0
TRANSPORTATION					0					
OVERHEAD					0					0
CONTRACT					0					0
OTHER					0					0
TOTAL					0					0
QTY COMPLETED					0					0
AVG COST					0					0

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

CRANE, 140 Ton
FIVE YEAR INTERMEDIATE MAINTENANCE COSTS

MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					0					0
USAREUR					0					
EUSA					0					
USARPAC					0					
USARSO					0					
USASOC					0					
TRADOC					0					0
ARNG					0					
USAR					0					
TOTAL ARMY					0					0
LABOR HRS					0					0
COST PER HR					0.00					0.00

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

CRANE, 140 Ton
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA AVAILABLE					

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

CRANE, 140 Ton
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

CRANE, 140 Ton
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA AVAILABLE					

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

CRANE, 140 Ton
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

CHOOSE A VOLUME FOR MORE SYSTEMS

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